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Notice of Allowability

Application No.

09/735,944

Examiner

Edith M Chang

Applicant(s)

SPIJKER ET AL.

Art Unit

2637

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Oct 26, 2004.
2. ☒ The allowed claim(s) is/are 1-3,5-15 and 18-21.
3. ☒ The drawings filed on 14 December 2000 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Richard J. Mitchell on February 4, 2005.

The application has been amended as follows:

In the claims:

Claim 1, line 9: "Timestamp Generator" has been changed to "Time Stamps (SRTS)"; line 11: "SRTS" has been changed to "a SRTS"; line 18: "buffer" has been changed to "receive buffer".

Claim 3, line 2: "the write_" has been changed to "a write_"; line 3: "average" has been changed to "said average"; "a parameter set by the user" has been changed to "programmed by a user".

Claim 5: line 3: "said line rate modes" has been changed to "said line rate mode".

Claim 9, line 2: "timestamp" has been changed to "time stamp".

Claim 18, line 5: "SRTS" has been changed to "Synchronous Residual Time Stamps (SRTS)".

Claim 19, lines 7 & 8: "time stamp" has been changed to "time stamp signal".

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Claim 20, line 2: "error flag" has been changed to "error flag to generate the phase output signal".

Claim 21, line 2: "phase output" has been changed to "phase output signal".

2. The following is an examiner's statement of reasons for allowance:

The prior art of record does not teach or suggest, alone or in a combination, among other things, at least a multimode clock recovery circuit as a whole, the combination of elements and features as claimed, which includes a phase detector in the Synchronous Residual Time Stamp (SRTS) mode having multiple inputs compares an input signal applied to any of said multiple inputs with the output signal to develop the phase signal, and a local SRTS generator for generating time stamps from the output signal connected to one of said multiple inputs of said phase detector; or a phase detector for recovering clock signals from received time stamps in a cell relay network, the phase detector having multiple inputs compares an input signal applied to any of said multiple inputs with the output signal to develop the phase signal, wherein the current time stamps of a first input and second input are compared with the previous time stamps of said first and second input to generate a weighted non-wrap around up/down counter which the difference between said remote time stamp and said locally generated time stamp added to.

3. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

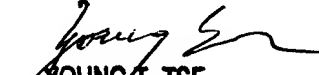
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4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Edith M Chang whose telephone number is 571-272-3041. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jayanti Patel can be reached on 571-272-2988. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Edith Chang
February 4, 2005


YOUNG T. TSE
PRIMARY EXAMINER